

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
4 October 2001 (04.10.2001)

PCT

(10) International Publication Number
WO 01/73032 A2(51) International Patent Classification⁷: **C12N 15/12**,
C07K 14/47, C12N 1/21, 5/10, C07K 16/18, G01N 33/68,
C07K 19/00, C12N 15/10, A61K 38/17, 31/70, 39/395,
35/14, C12Q 1/68

09/709,729 9 November 2000 (09.11.2000) US

(71) Applicant (for all designated States except US): **CORIXA CORPORATION** [US/US]; 1124 Columbia Street, Suite 200, Seattle, WA 98104 (US).

(21) International Application Number: PCT/US01/09919

(22) International Filing Date: 27 March 2001 (27.03.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

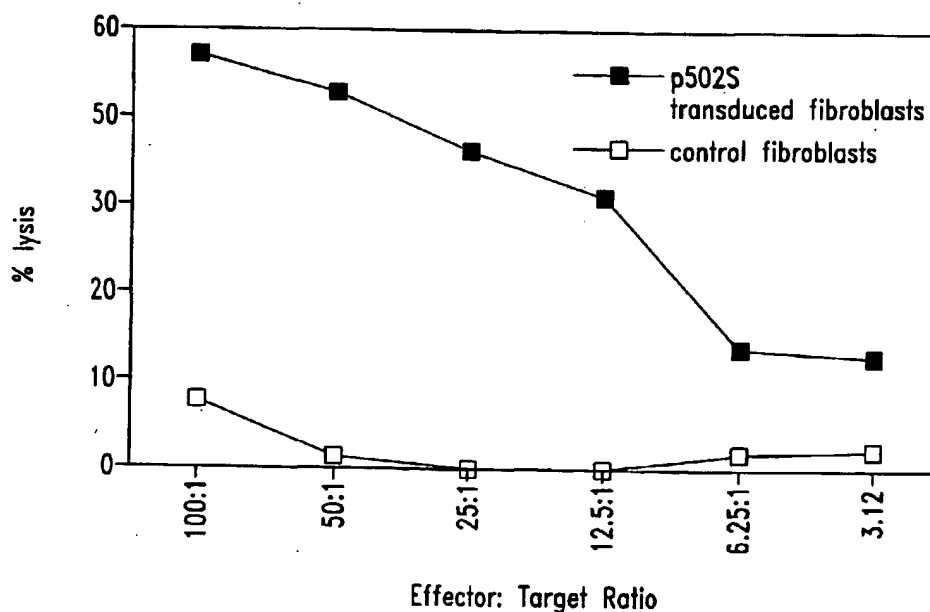
09/536,857	27 March 2000 (27.03.2000)	US
09/568,100	9 May 2000 (09.05.2000)	US
09/570,737	12 May 2000 (12.05.2000)	US
09/593,793	13 June 2000 (13.06.2000)	US
09/605,783	27 June 2000 (27.06.2000)	US
09/636,215	10 August 2000 (10.08.2000)	US
09/651,236	29 August 2000 (29.08.2000)	US
09/657,279	6 September 2000 (06.09.2000)	US
09/679,426	2 October 2000 (02.10.2000)	US
09/685,166	10 October 2000 (10.10.2000)	US

(72) Inventors; and

(75) Inventors/Applicants (for US only): **XU, Jiangechun** [US/US]; 15805 S.E. 43rd Place, Bellevue, WA 98006 (US). **DILLON, Davin, C.** [US/US]; 18112 N.W. Montreux Drive, Issaquah, WA 98027 (US). **MITCHAM, Jennifer, L.** [US/US]; 16677 N.E. 88th Street, Redmond, WA 98052 (US). **HARLOCKER, Susan, L.** [US/US]; 7522 13th Avenue W., Seattle, WA 98117 (US). **JIANG, Yuqiu** [CN/US]; 5001 S. 232nd Street, Kent, WA 98032 (US). **KALOS, Michael, D.** [US/US]; 8116 Dayton Avenue N., Seattle, WA 98103 (US). **FANGER, Gary, Richard** [US/US]; 15906 29th Drive S.E., Mill Creek, WA 98012 (US). **RETTTER, Marc, W.** [US/US]; 33402 N.E. 43rd Place, Carnation, WA 98104 (US). **STOLK, John, A.** [US/US]; 7436 N.E. 144th Place, Bothell, WA 98011 (US). **DAY, Craig, H.** [US/US]; 11501 Stone Avenue N., C122, Seattle, WA 98133 (US). **VEDVICK, Thomas, S.**

[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF PROSTATE CANCER



(57) Abstract: Compositions and methods for the therapy and diagnosis of cancer, particularly prostate cancer, are disclosed. Illustrative compositions comprise one or more prostate-specific polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly prostate cancer.